

Dr. Perry completed her study of the many previously very confused species of Papuan *Macaranga*.

Dr. Hu continued her study of the Chinese flora and progressed on her monograph of *Philadelphus*.

Dr. Merrill has continued work on various Malaysian and Polynesian problems, concentrating especially on a study of the status of several hundred Malaysian species proposed by William Roxburgh (1814–1844). Another wider problem that has claimed his attention is the actual significance of the first botanical collections made in the Pacific Islands, especially those of Banks and Solander and the two Forsters, Captain Cook's first and second voyages, 1769–1775. This study of various unpublished manuscripts at the British Museum, prepared by Dr. Solander, including a Flora of Tahiti, casts much more than a shadow of doubt on the validity of various theories proposed and vigorously supported by specialists in other fields.

**The Library.** — During the fiscal year ended June 30, 1953, there were 303 bound volumes added to the library by gift, purchase or binding; there are now 48,401 volumes on the shelves. One hundred forty pamphlets were catalogued and filed, all gifts; the pamphlet collections now stand at 15,204. Four hundred thirty-three catalogue cards were added to the main catalogue, and 2044 cards were added to the Gray Herbarium species cards.

Interlibrary loans have been about the same as in previous years, in many cases typed descriptions, microfilms and photostatic copies have saved the actual travel wear and tear on the older or rarer volumes.

Four hundred photographs were added to the photograph files.

#### Bibliography of the Published Writings of the Staff and Students July 1, 1952–June 30, 1953

- BAILEY, I. W. Evolution of the tracheary tissue of land plants. *Am. Jour. Bot.* **40**: 4–8. 1953.
- & SMITH, A. C. A new Fijian species of *Calyptosepalum*. *Jour. Arnold Arb.* **34**: 52–64. *pl.* 1, 2. 1953.
- & SWAMY, B. G. L. The morphology and relationships of *Idenburgia* and *Nouhuysia*. *Jour. Arnold Arb.* **34**: 77–85. *pl.* 1, 2. 1953.
- HU, SHIU-YING. *Ilex* in Taiwan and the Liukiu Islands. *Jour. Arnold Arb.* **34**: 138–162. 1953.
- JOHNSTON, IVAN M. Studies in the Boraginaceae, XXIII. A survey of the genus *Lithospermum*. *Jour. Arnold Arb.* **33**: 299–366. *pl.* 1–3. 1952.
- Studies in the Boraginaceae, XXIV. A. Three genera segregated from *Lithospermum*. B. Supplementary notes on *Lithospermum*. *Jour. Arnold Arb.* **34**: 1–16. 1953.
- KOBUSKI, C. E. Studies in the Theaceae, XXVII. Miscellaneous new species in Theaceae. *Jour. Arnold Arb.* **34**: 125–137. 1953.
- Theaceae. In: Steyermark, J. A. Contributions to the flora of Venezuela. *Fieldiana Botany* **28**: 380–384. 1952.
- & SANDWICH, N. Y. Contributions to the flora of Tropical America:

- LIII. A South American species of *Symplococarpon*. *Kew Bull.* 1952: 249-251. 1952.
- LIPP, LEWIS F. Let's strike it right. *Horticulture* 30: 424, 427. 1952.
- Slow-growing white oak. *Horticulture* 31: 20, 21. 1953.
- Trees to plant. *Horticulture* 31: 190. 1953.
- Merrill, E. D. The fugitive place names "Hamoia" and "Romoa" in Roxburgh's *Flora Indica* errors for Honimoa-Saparua. *Taxon* 1: 124, 125. 1952.
- . William Jack's genera and species of Malaysian plants. *Jour. Arnold Arb.* 33: 199-250. 1 *pl.* 1952.
- SAX, KARL. The Arnold Arboretum during the fiscal year ended June 30, 1952. *Jour. Arnold Arb.* 33: 403-409. 1952.
- , KING, E. D. & SCHNEIDERMAN, H. A. The effects of carbon monoxide and oxygen on the frequency of X-ray induced chromosomes in *Tradescantia*. *Proc. Nat. Acad. Sci.* 38: 34-43. 1952.
- SCHWARTEN, LAZELLA. Index to American botanical literature. *Bull. Torrey Bot. Club* 79: 339-349, 415-425, 491-503. 1952. 80: 102-112, 145-153, 234-245. 1953.
- WYMAN, D. The Arnold Arboretum. *Bull. Gard. Club America* 49(6): 11-17. illus. 1952.
- Autumn color. *Arnoldia* 12: 53-59. 1952. Reprinted in *Trees Mag.* 13(1): 9, 10, 14, 16. 1952.
- British gardens and woody plants that make them. *Proc. Nat. Shade Tree Conference* 1952: 89-93. 1953.
- Evergreens for the small place. *Horticulture* 31: 92, 93, 119. illus. 1953.
- For the record. *Arnoldia* 13: 37-40. 1953.
- The Hunnewell Arboretum, 1852-1952. *Arnoldia* 12: 61-84. *pl.* 13-17. 1952.
- Layering plants in Holland. *Arnoldia* 13: 25-28. 1953.
- Metasequoia in modern times. *Pop. Gardening* 4: 42, 67-69. illus. 1952.
- Pruning ornamental shrubs and trees. *Arnoldia* 13: 21-24. 1953.
- Some of the best vines and ground covers for Massachusetts gardens. *Arnoldia* 13: 1-19. 1953.
- Some winter-killing of certain shrubs, as a result of the winter of 1951-52. *Arnoldia* 12: 49-52. 1952.
- Topiary — a lost art. *Flower Grower* 40: 70-72. illus. 1953.
- Trees and shrubs — a two way view. *Home Garden* 19(1): 17-19. 1953.
- Trees of the Arnold Arboretum. *Trees Mag.* 12(5): 8, 9, 28, 34. 1952.
- Trimming hedges. *Plants and Gardens* 8: 125-129. 1952.
- Two months of Azalea bloom. *Arnoldia* 13: 29-35. 1953.

KARL SAX  
Director